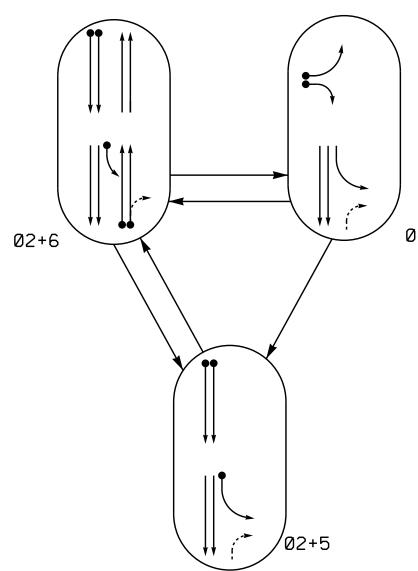
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

UNSIGNALIZED MOVEMENT

≪--> PEDESTRIAN MOVEMENT

2+6	04
77	

TABLE OF OPERATION										
		PHASE								
SIGNAL FACE	◎ ○ + 15	∞ N+6	0 4	トーセのエ						
21, 22, 25	G	G	R	Υ						
23, 24	OFF	OFF	ON	OFF						
41, 42	R	R	G	R						
51	2	G	G	Υ						
52	G	G	G	Υ						
61, 62, 63, 64	R	G	R	Υ						

WARNING BEACON ABLE OF OPERATION									
INTERVAL									
SIGNAL FACE	1	2							
23	ON	OFF							
24	OFF	ON							

LOOP & DETECTOR UNIT INSTALLATION CHART SE-PAC 2070 CONTROLLER WITH 170 CABINET																								
DETECTOR PROGRAMMING																								
	INDUCII	VE LOO	OOPS			0	TIAA	TIME		OPERATION MODE						SPS	STA	TUS						
		I	DICT EDOM	П	(2)		HIMING				2	3	4	5	6 ~ I	7	된	00		ပ္				
LOOP NO.	SIZE (ft)	TURNS	DIST. FROM STOPBAR (ft)	NEW	EXISTING	ASSIGNED PHASE	DELAY	EXTEND (STRETCH)	VEHICLE	PEDESTRIAN	1 CALL	STOP A	STOP B	PROT/PER LEFT	PROT/PER THROUGH	AND	SWITCH	SYSTEM	NEW	EXISTING				
2A,2B	6X6	4	70	-	Χ	2	- SEC.	- SEC.	Χ	-	-	-	-	-	-	-	_	_	-	Х				
4A	6X40	2-4-2	0	_	Χ	4	- SEC.	- SEC.	Χ	-	_	-	_	_	-	_	-	-	-	Х				
4B	6X40	2-4-2	0	_	Χ	4	15 SEC.	- SEC.	Χ	_	-	1	_	_	_	_		-	-	Х				
5A 6X40 2	5Δ	6740	10 2-4-2	2-4-2	2-4-2	2-4-2	+5	_	Х	5	15 SEC.	- SEC.	Χ	-	-	ı	ı	_	_	_	-	-	-	Х
				^	2	- SEC.	- SEC.	Χ	_	_	-	-	_	_	_	_	_	_	X					
6A,6B	6X6	4	70	_	Χ	6	- SEC.	- SEC.	Χ	-	_	-	-	-	-	-	_	_	-	Х				

SIGNAL FACE I.D.

All Heads L.E.D.

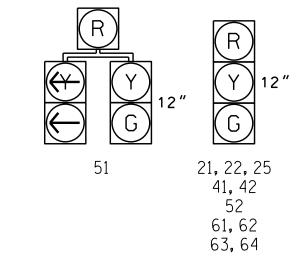


Figure 1

PREPARED

WHEN

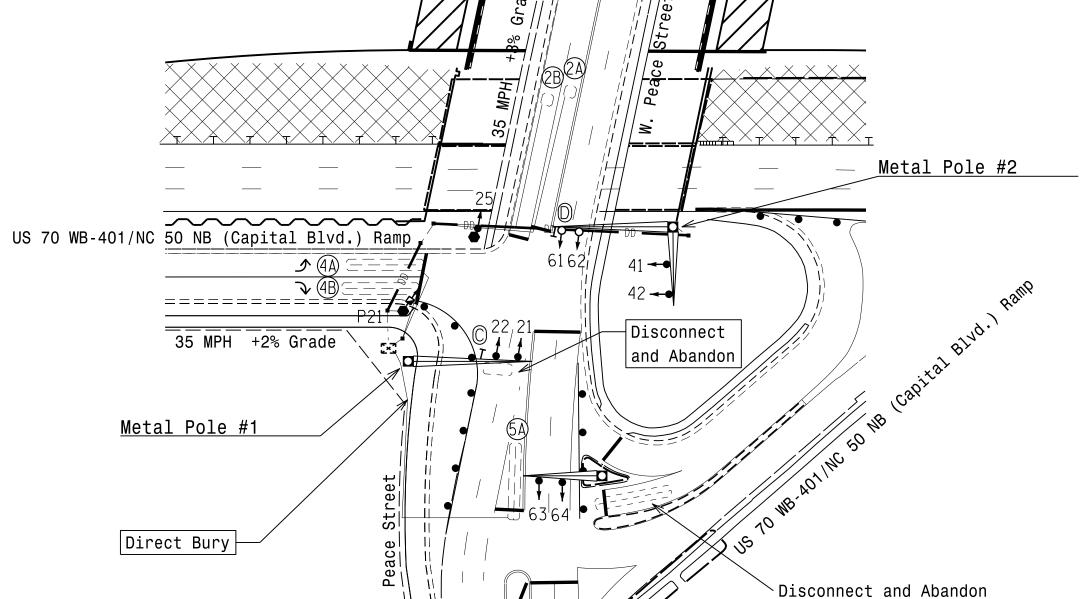
FLASHIN

W16-13P

12" Minimum

12" Minimum

23



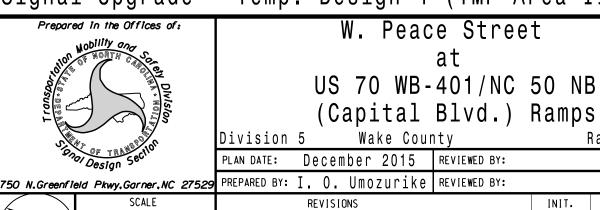
Disconnect

and Abandon

SE-PAC 2070 TIMING CHART									
	PHASE								
FEATURE	2	4	5	6					
Min Green *	10	7	7	10					
Passage Gap *	3.0	2.0	2.0	3.0					
Maximum Green *	60	15	20	60					
Yellow Change	3.6	3.0	3.0	4.1					
Red Clear	1.2	2.4	1.8	1.0					
Walk *	-	-	-	-					
Pedestrian Clear	-	-	-	-					
Added Initial *	-	-	-	-					
Maximum Initial *	-	-	-	-					
Time Before Reduction *	-	-	-	-					
Time To Reduce *	-	-	-	-					
Minimum Gap	-	-	-	-					
Recall Mode	MIN RECALL	-	-	MIN RECALL					
Vehicle Call Memory	LOCK	NON-LOCK	NON-LOCK	LOCK					
D 15.									

^{*} These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be

Signal Upgrade - Temp. Design 4 (TMP Area II, Phase IV Step 2) W. Peace Street SEAL



INIT. DATE

Fully Actuated (Raleigh Signal System)

3 Phase

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 5 may be lagged.
- 4. Disconnect and bag existing signal head P21.
- 5. Set all detector units to presence mode.
- 6. Pavement markings are existing unless otherwise shown.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND **EXISTING PROPOSED** Traffic Signal Head **-**Modified Signal Head N/A Sign Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit Right of Way \longrightarrow Directional Arrow Metal Pole with Mastarm Directional Drill Construction Zone Drums Guardrail Type II Signal Pedestal Type III Signal Pedestal "BE PREPARED TO STOP" (W3-4) Sign (A) and "WHEN FLASHING" (W16-13p) Plaque (A) with Warning Beacons (See Figure 1) "YIELD" Sign (R1-2) No Right Turn Sign (R3-1) No Left Turn Sign (R3-2)

> **DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

Dual Entry ON Simultaneous Gap

SIG. INVENTORY NO. 05-1642T4